

# HAIKU DESIGN & ANALYSIS

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PUBLIC UTILITIES  
COMMISSION

2009 MAY -7 P 12:20

FILED

May 6, 2009

To the Honorable Chairman and Members of  
The Hawaii Public Utilities Commission  
465 South King Street Room #103  
Honolulu, Hawaii 96813

Subject: Docket No. 2008-0273  
Feed-in Tariff Investigation

Post Hearing Information Submission

## Definition of "in-line" hydroelectric generation

At the panel hearings in this docket a specific request was made to Haiku Design & Analysis (HDA) by the moderator to resolve a proposed definition of "in-line" hydroelectric generation for application in specifying the scope of HECO's proposed "in-line hydro" feed-in tariff. Since the close of the panel hearings HDA has worked cooperatively with HECO staff to resolve the following mutually acceptable definition:

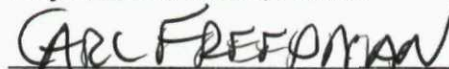
"in-line" hydroelectric generation is hydroelectric generation that utilizes energy from a water pipeline system that is designed primarily to serve another functional purpose where a section of pipeline is replaced with a turbine-generator section. In-line hydroelectric generation does not include:

- (a) pumped storage hydroelectric generation,
- (b) run of the river hydroelectric generation or
- (c) any system using the energy from water from a new (after January 1, 2009) diversion from any river or stream.

This definition intentionally does not limit the scope of the feed-in tariff to any specific hydroelectric technology and is intended to apply to both existing and new pipeline systems as long as hydroelectric generation is not the primary purpose of the system and no new stream diversions are part of the project. For a new water pipeline system "replaced" can refer to the design of the system and should not require a pipeline to be actually built and then physically retrofitted with an in-line hydro installation.

Dated: May 6, 2009; Haiku, Hawaii

Signed:



Carl Freedman  
dba Haiku Design and Analysis

## CERTIFICATE OF SERVICE

The foregoing Haiku Design and Analysis Post Hearing Information Submission was served on May 6, 2009 to each party as indicated below either by first class mail, postage prepaid, and properly addressed or by electronic transmission.

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